

08/754829

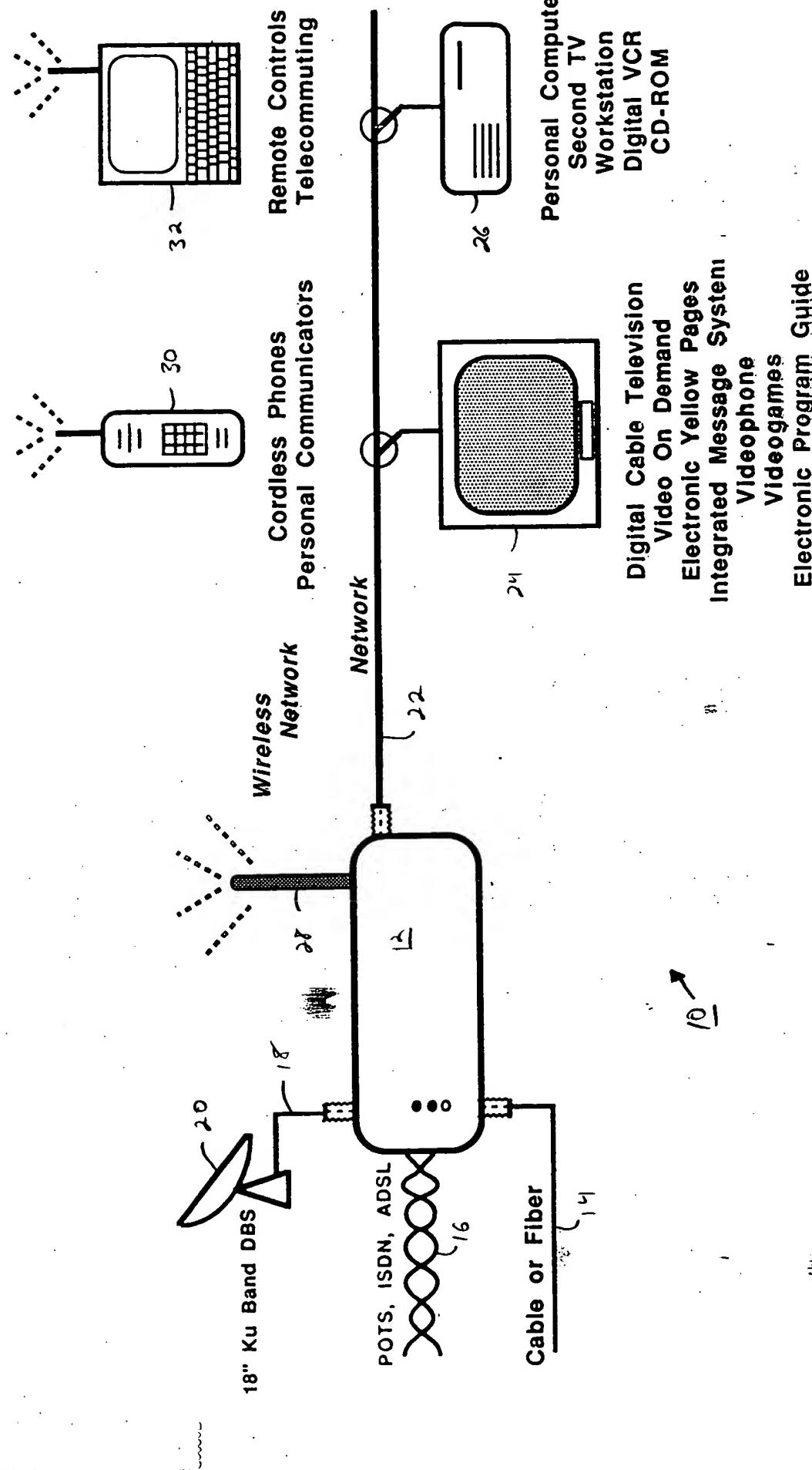
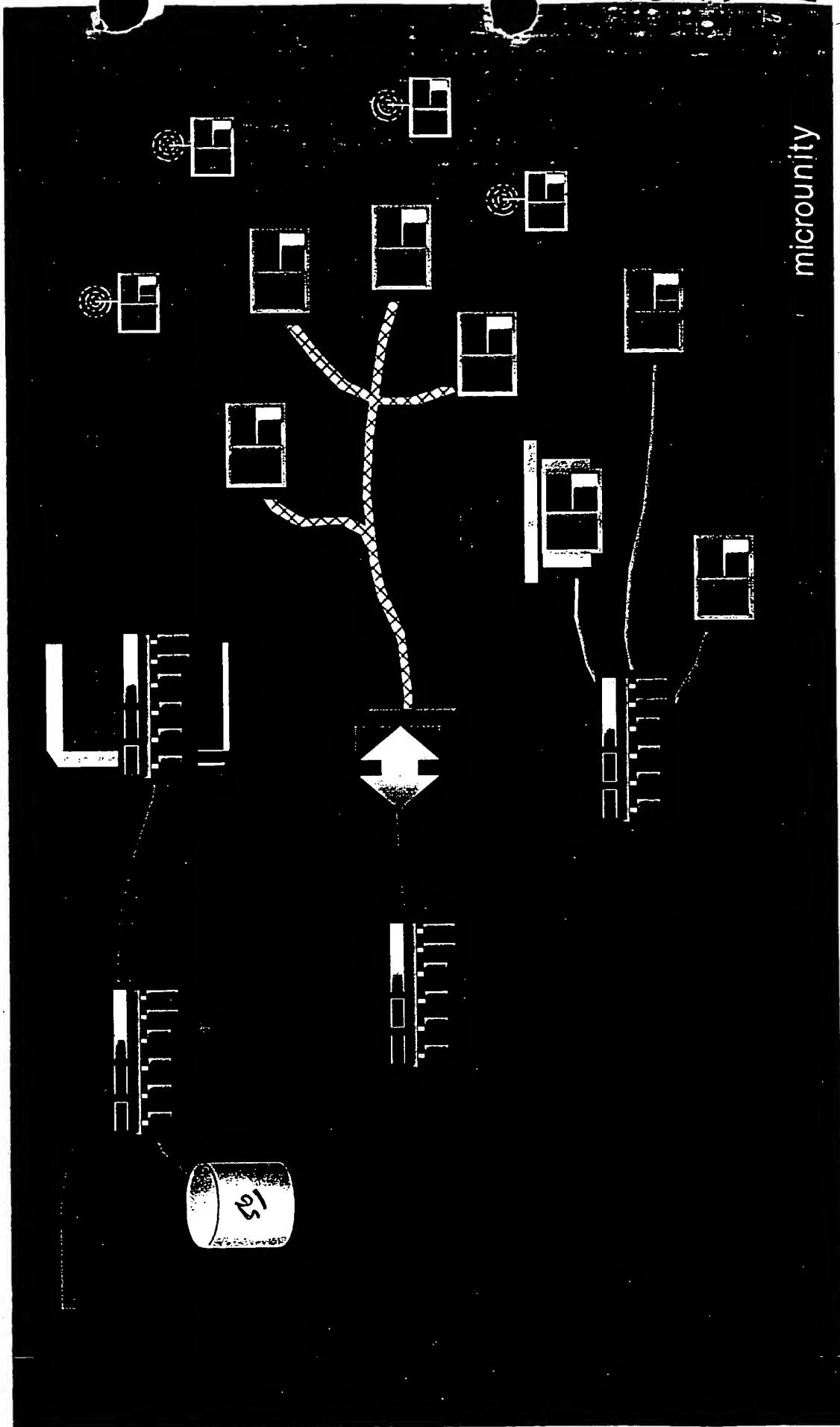


Figure 1

08/754829

microunity

Figure 2



31

08/754829

Figure 3

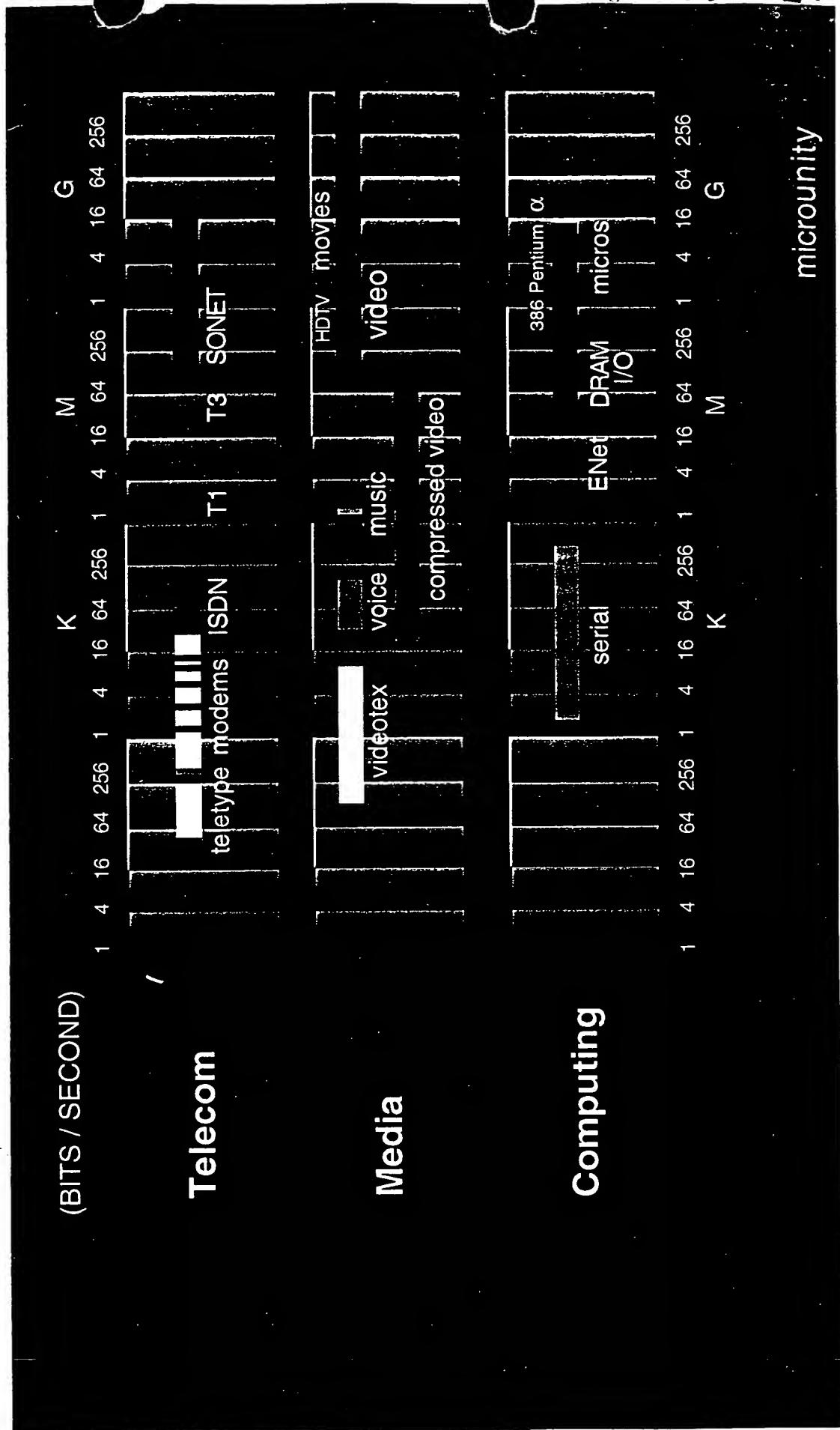
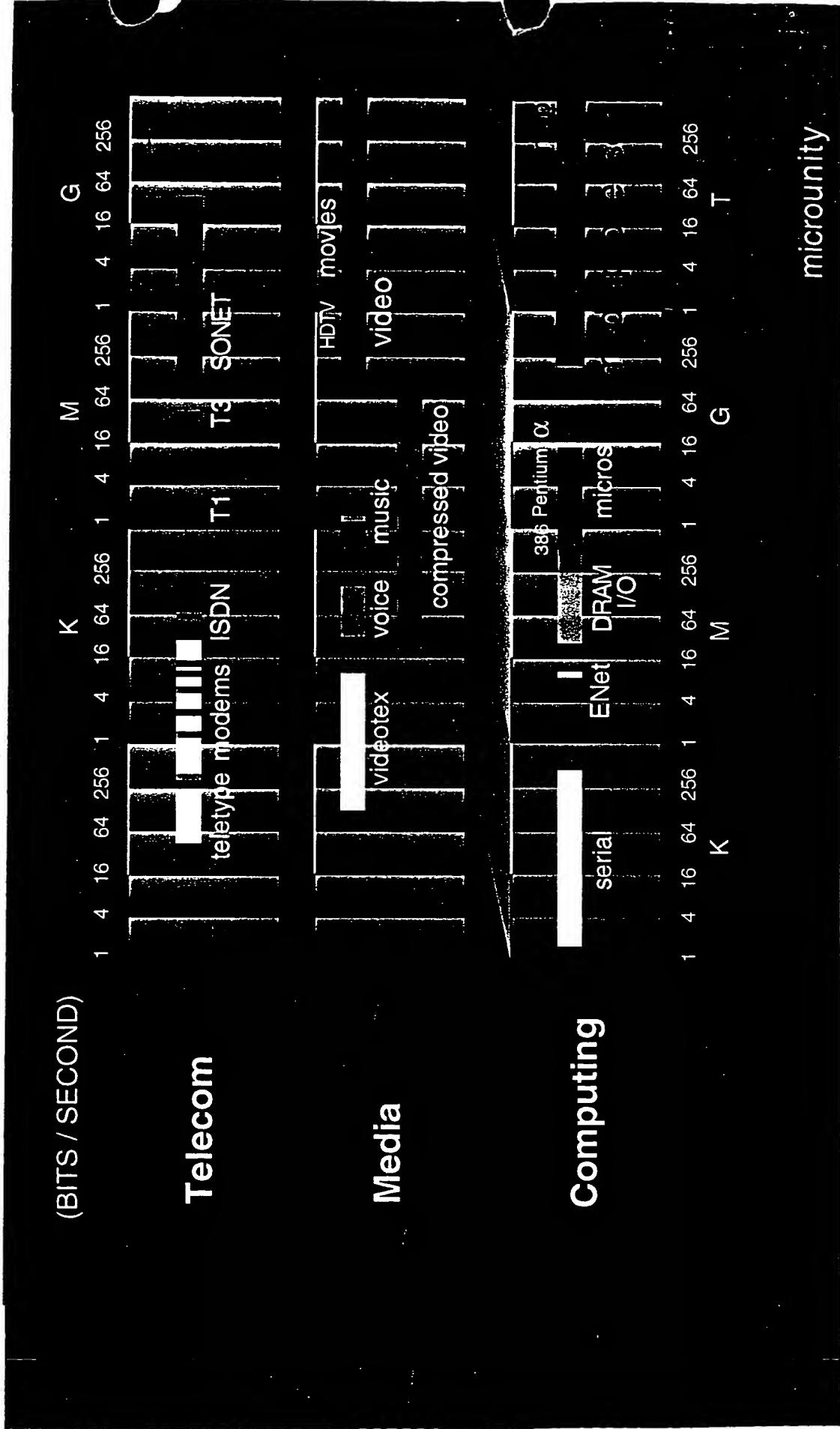


Figure 4

microunity

08/754829

Figure 5

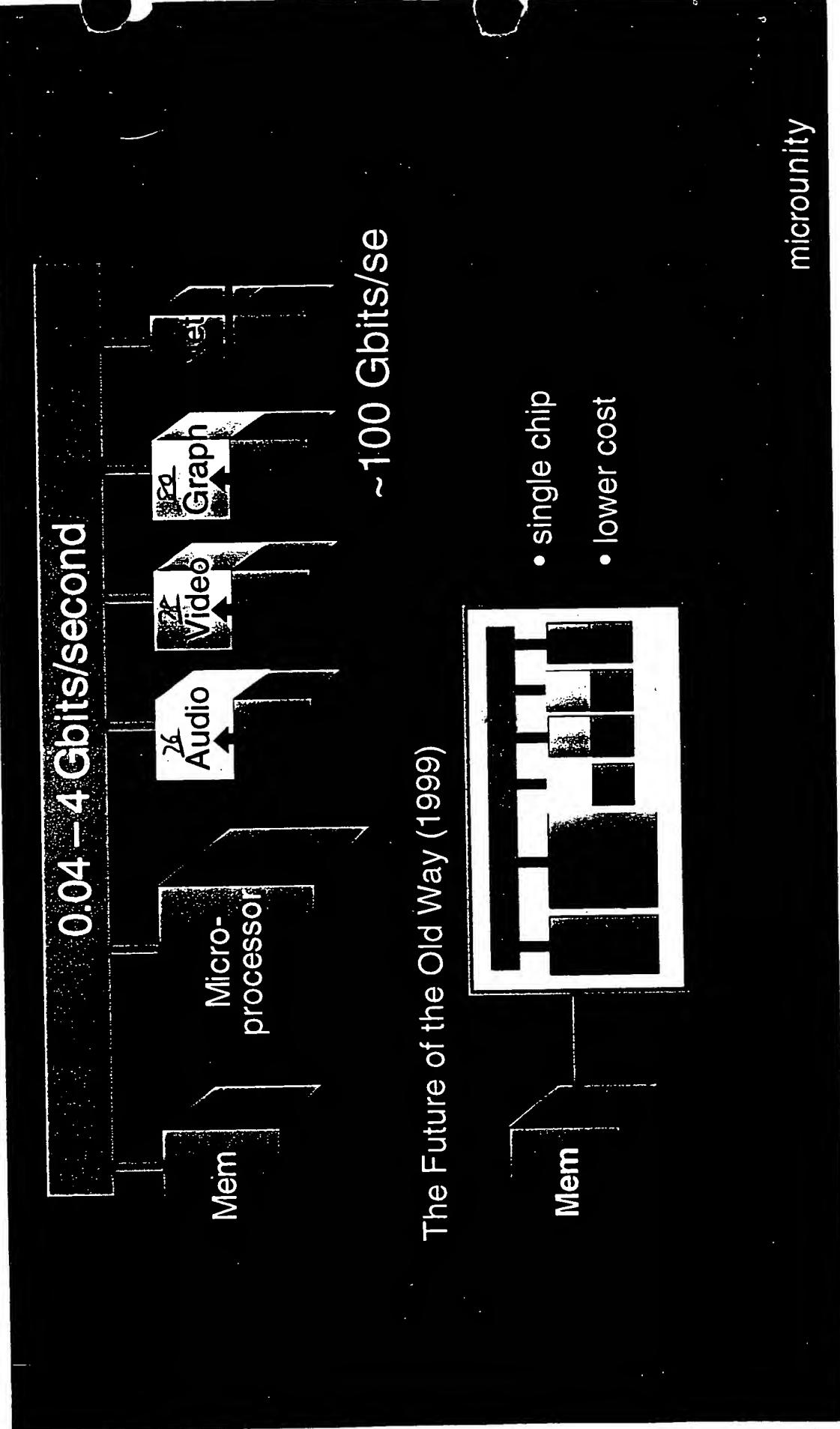
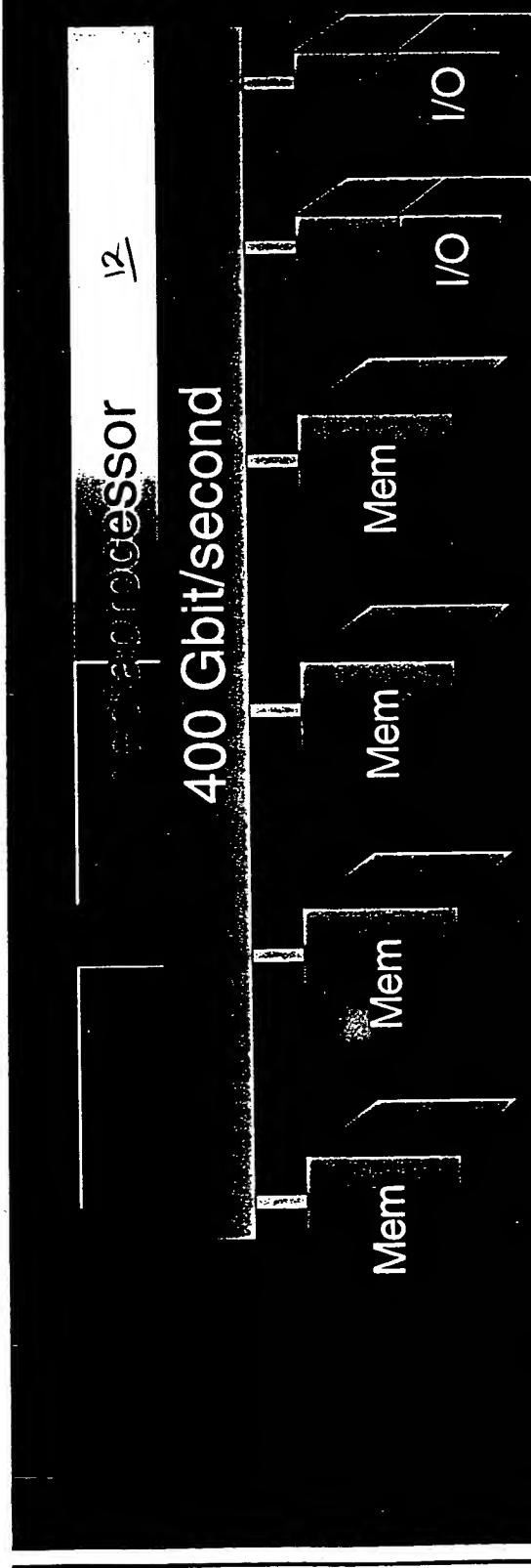
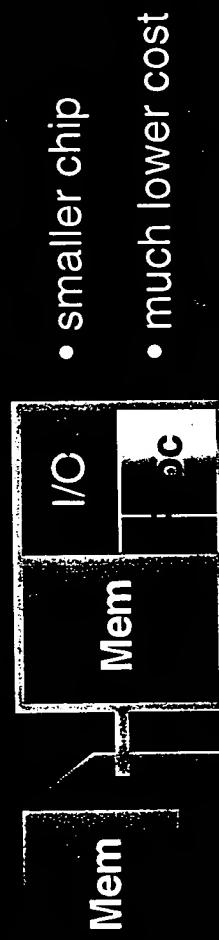


Figure 6

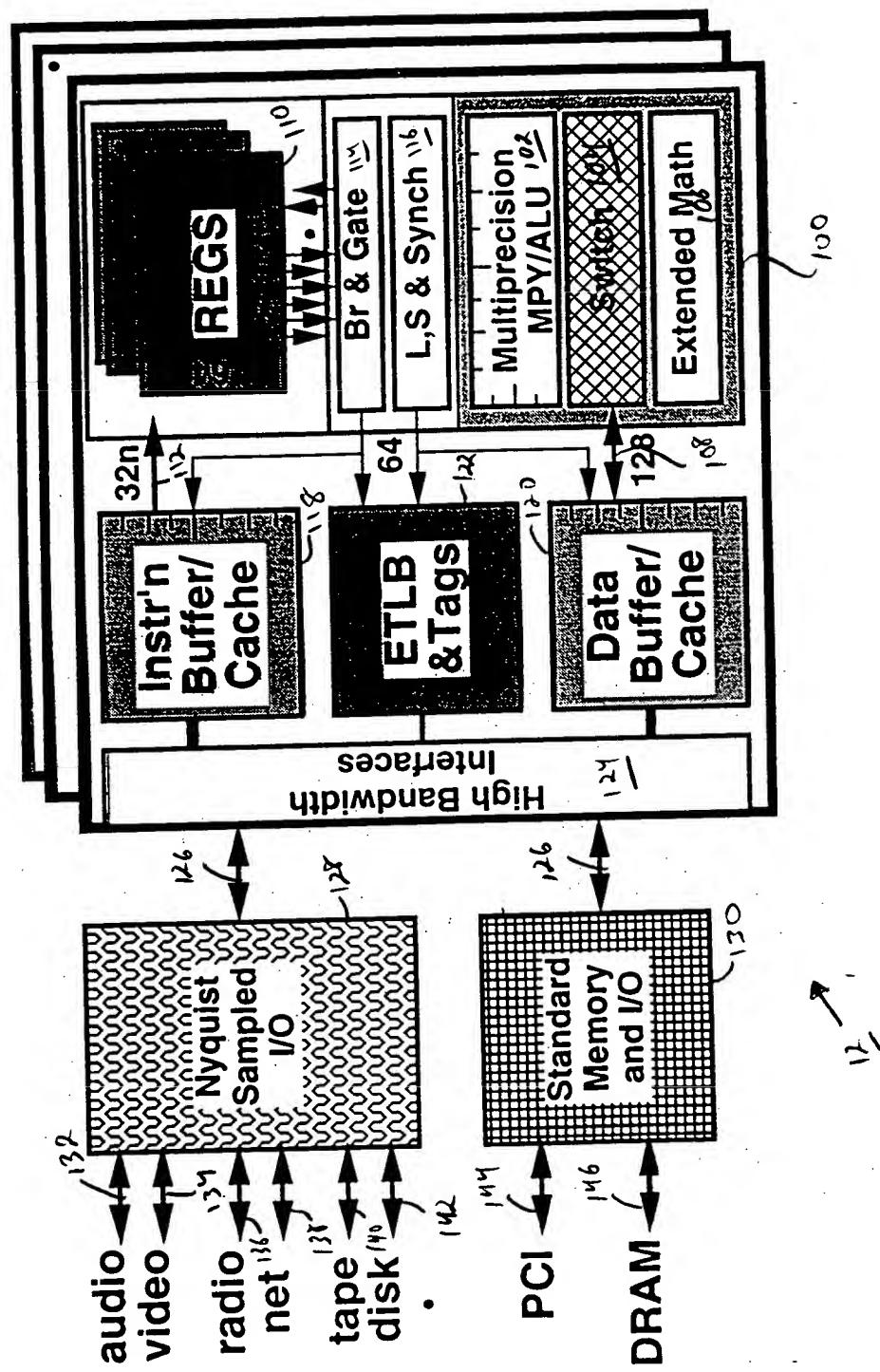
The Future of the Unified Way (1995)



microunity

08/754829

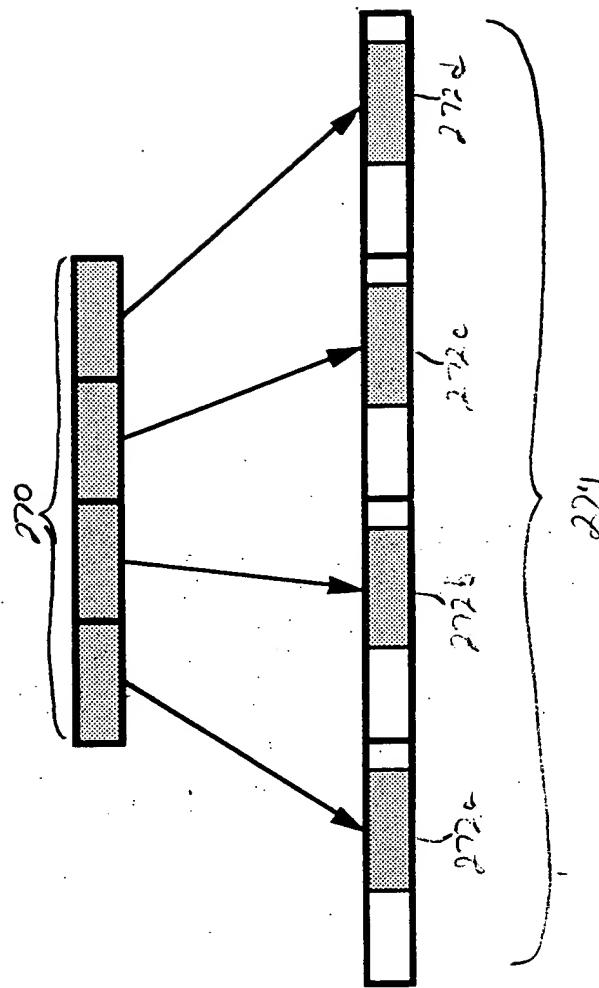
Figure 7



08/754829

Group Expand

Figure 8(a)



08/754829

Group Compress, Extract

Figure 8(b)

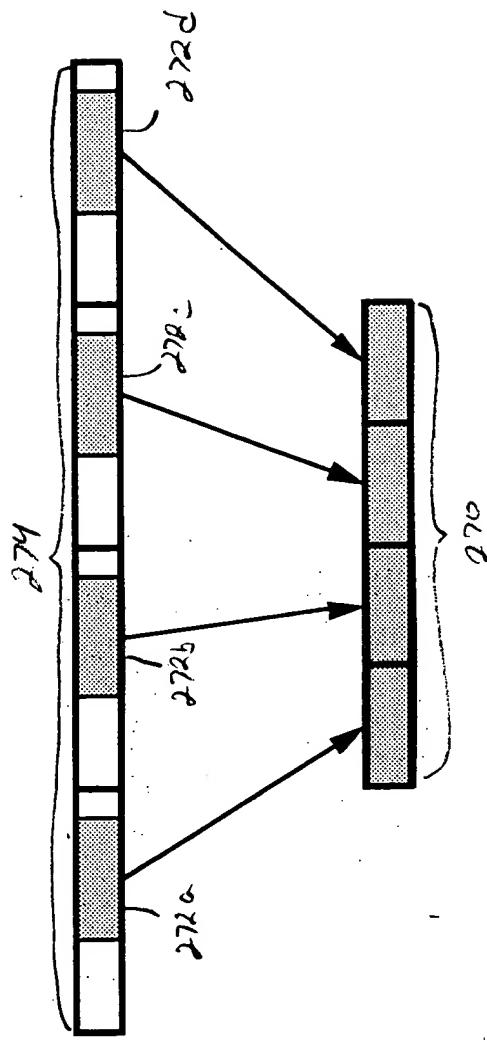
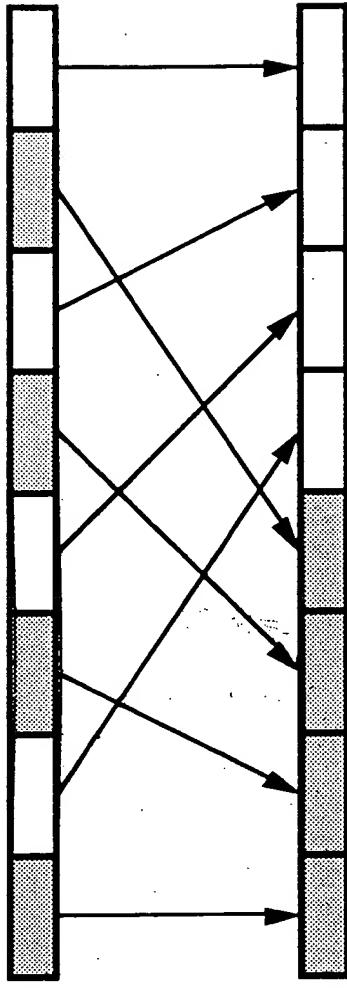


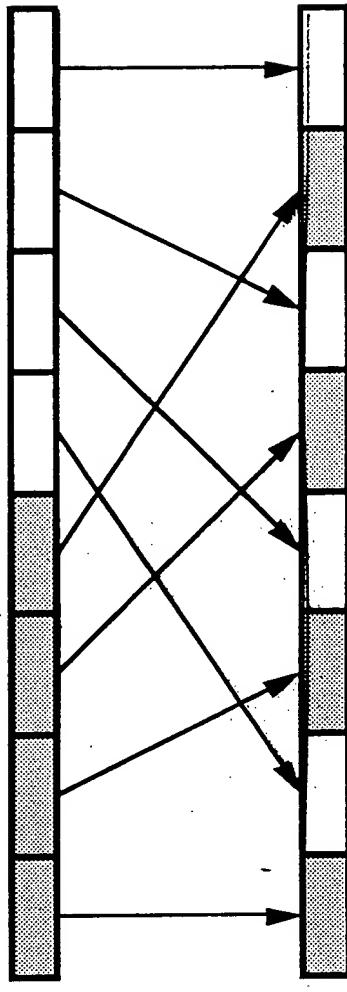
Figure 8(c)

Group Deal, Shuffle

- Group Deal: 128 bits to 128 bits



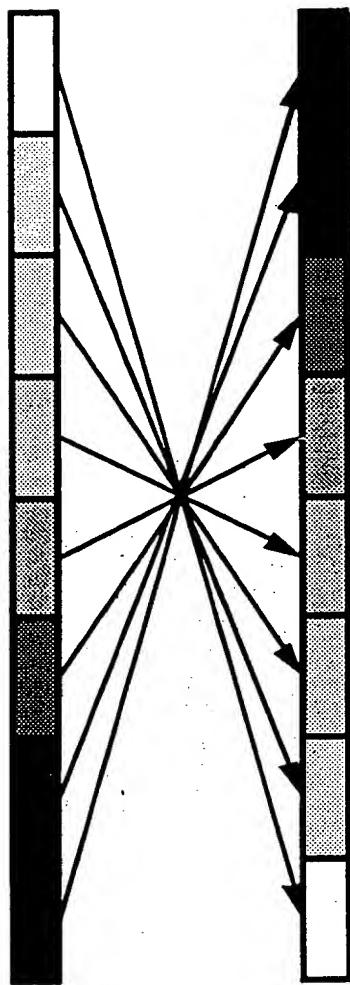
- Group Shuffle: 128 bits to 128 bits



08/754829

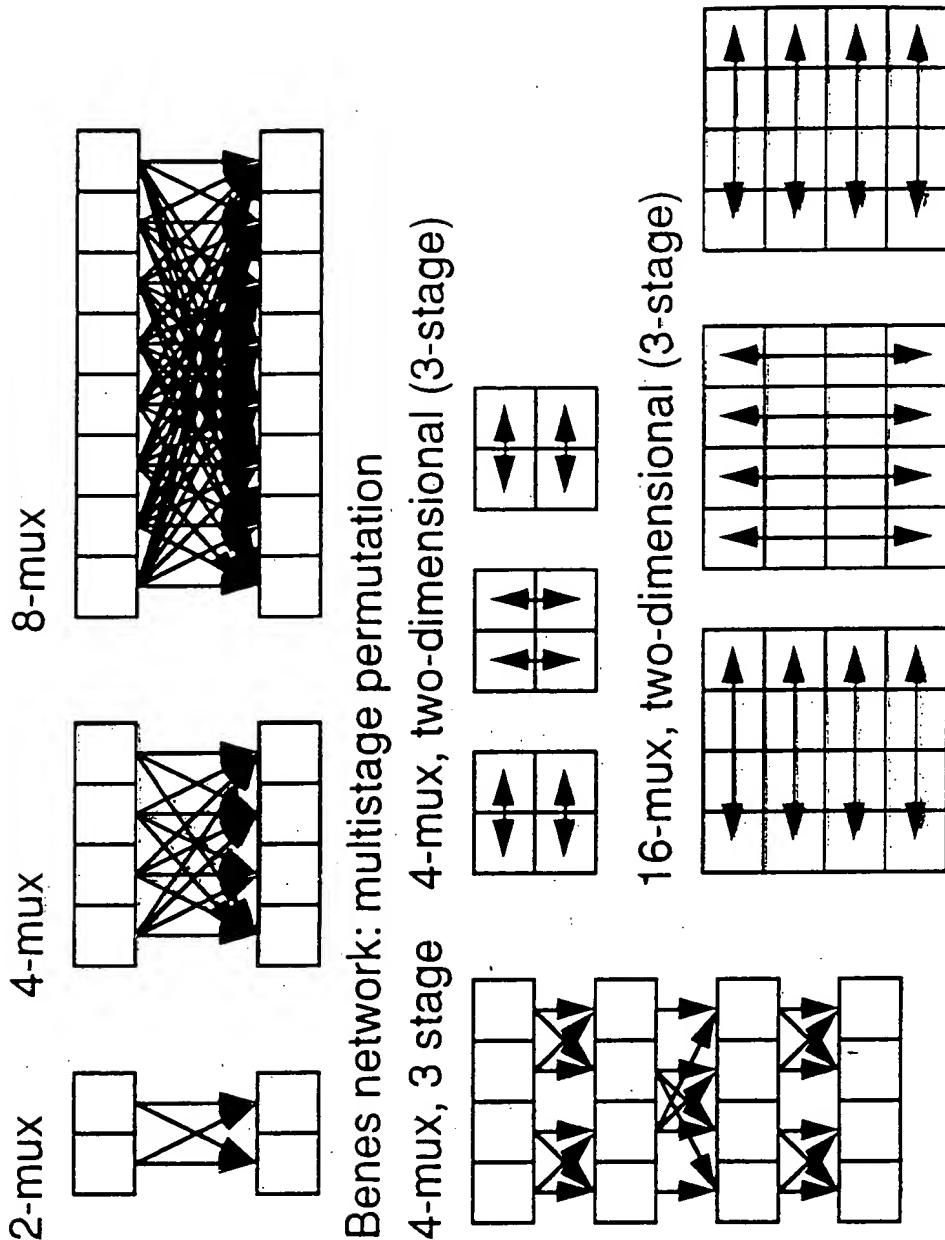
Figure 8c)

Group Swizzle (Copy-Swap)



Group Permute

Figure 8(e)



08/754829

Instruction Formats

Figure 9(a)

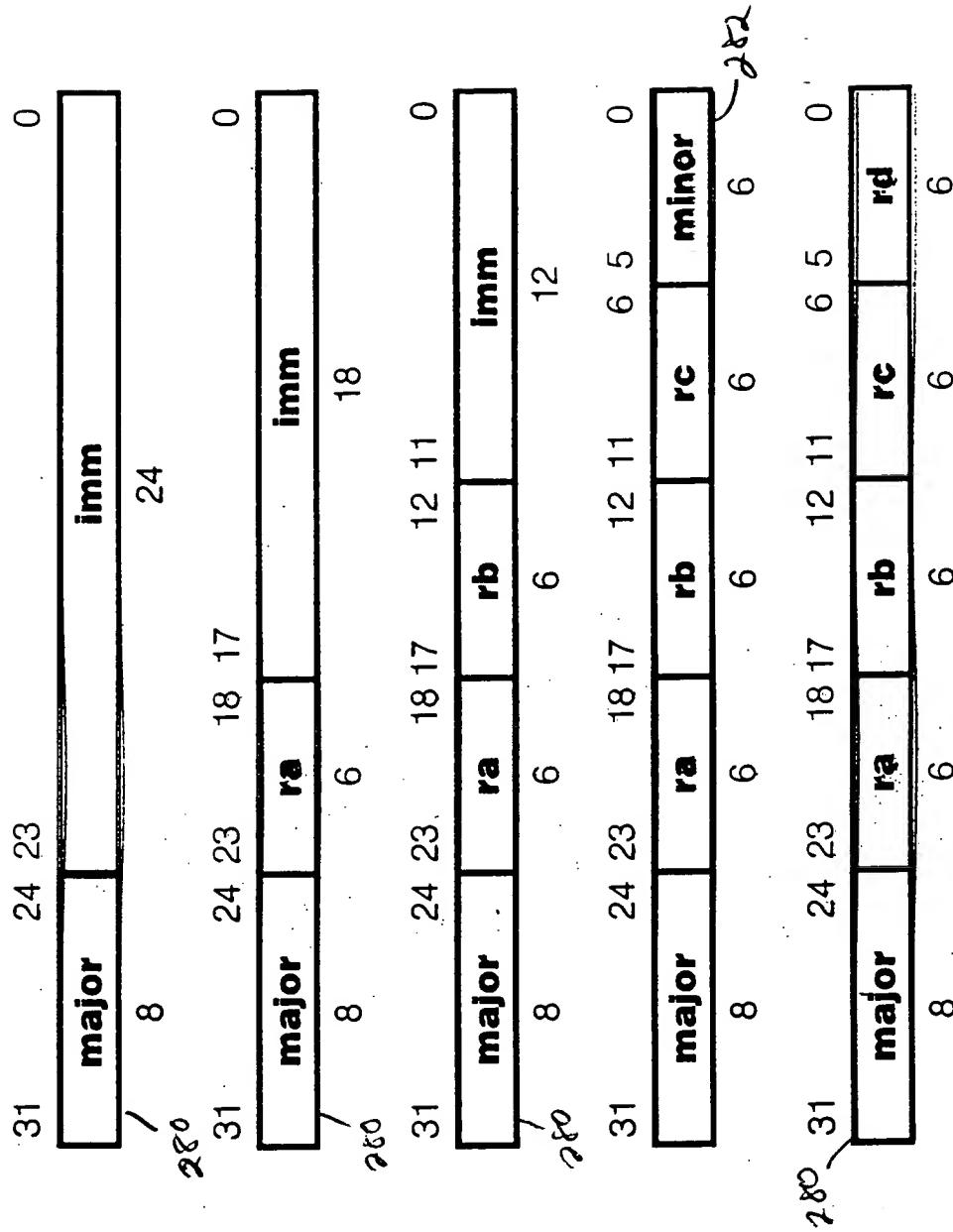


Figure 9(b)

Floating-point Data Sizes

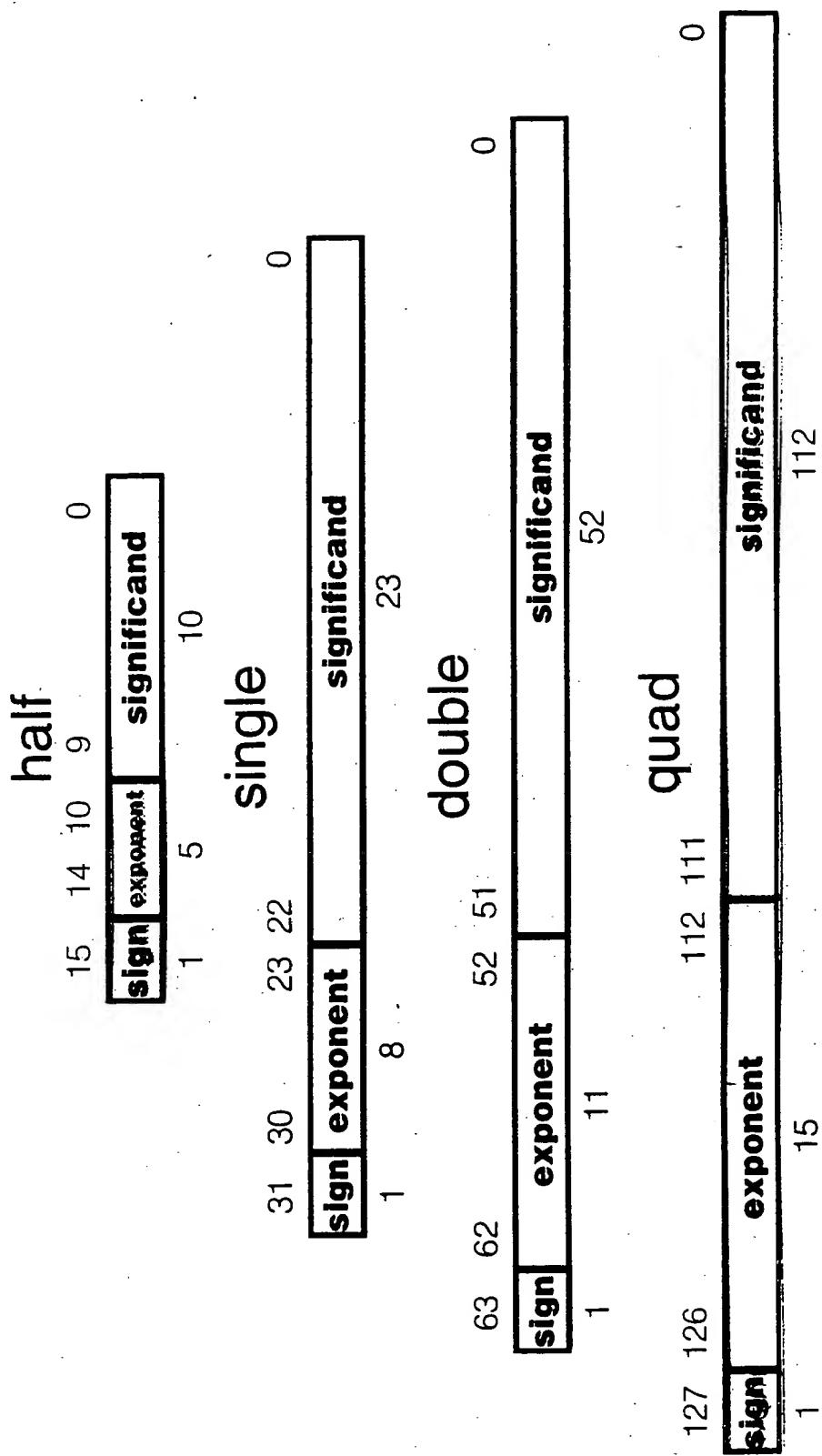
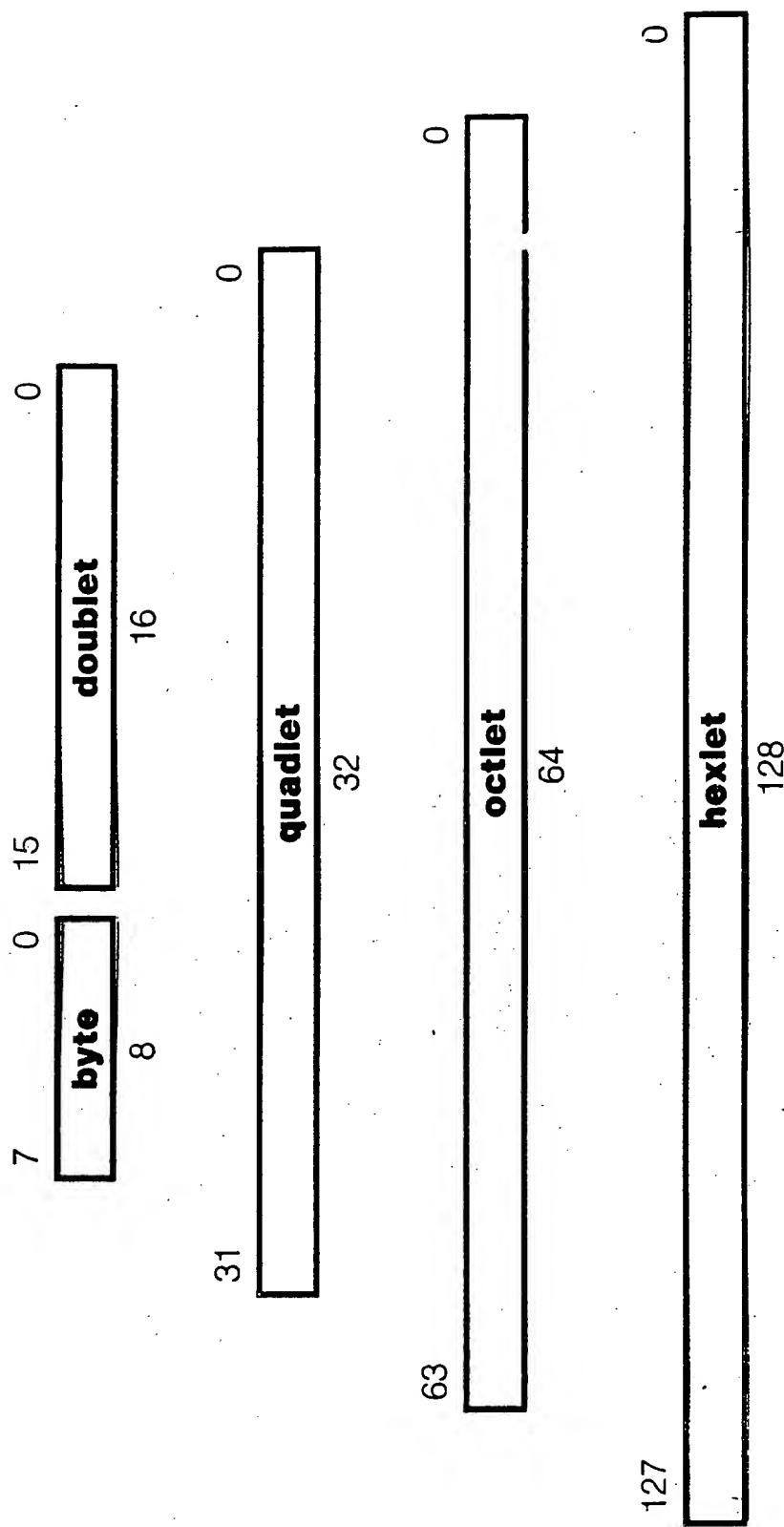


Figure 9(c)

Fixed-Point Data Sizes



Translation Block Diagram

Figure 10(a)

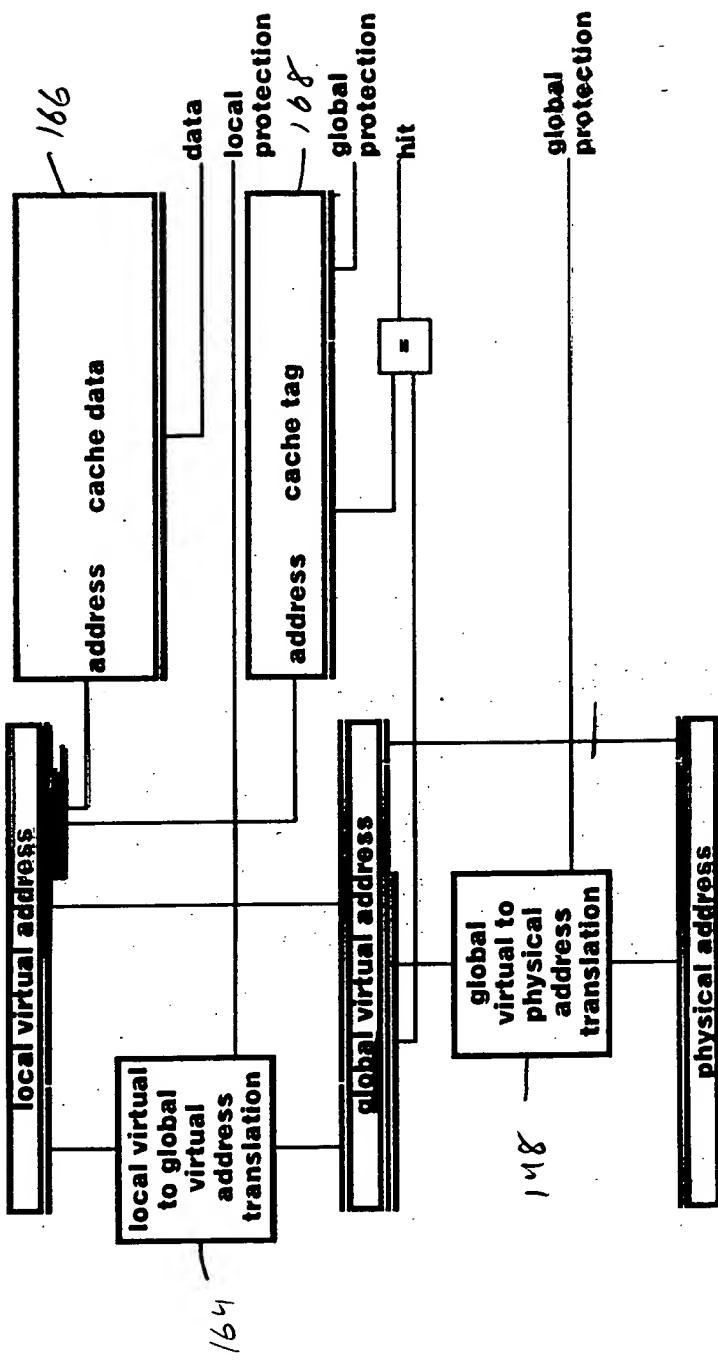
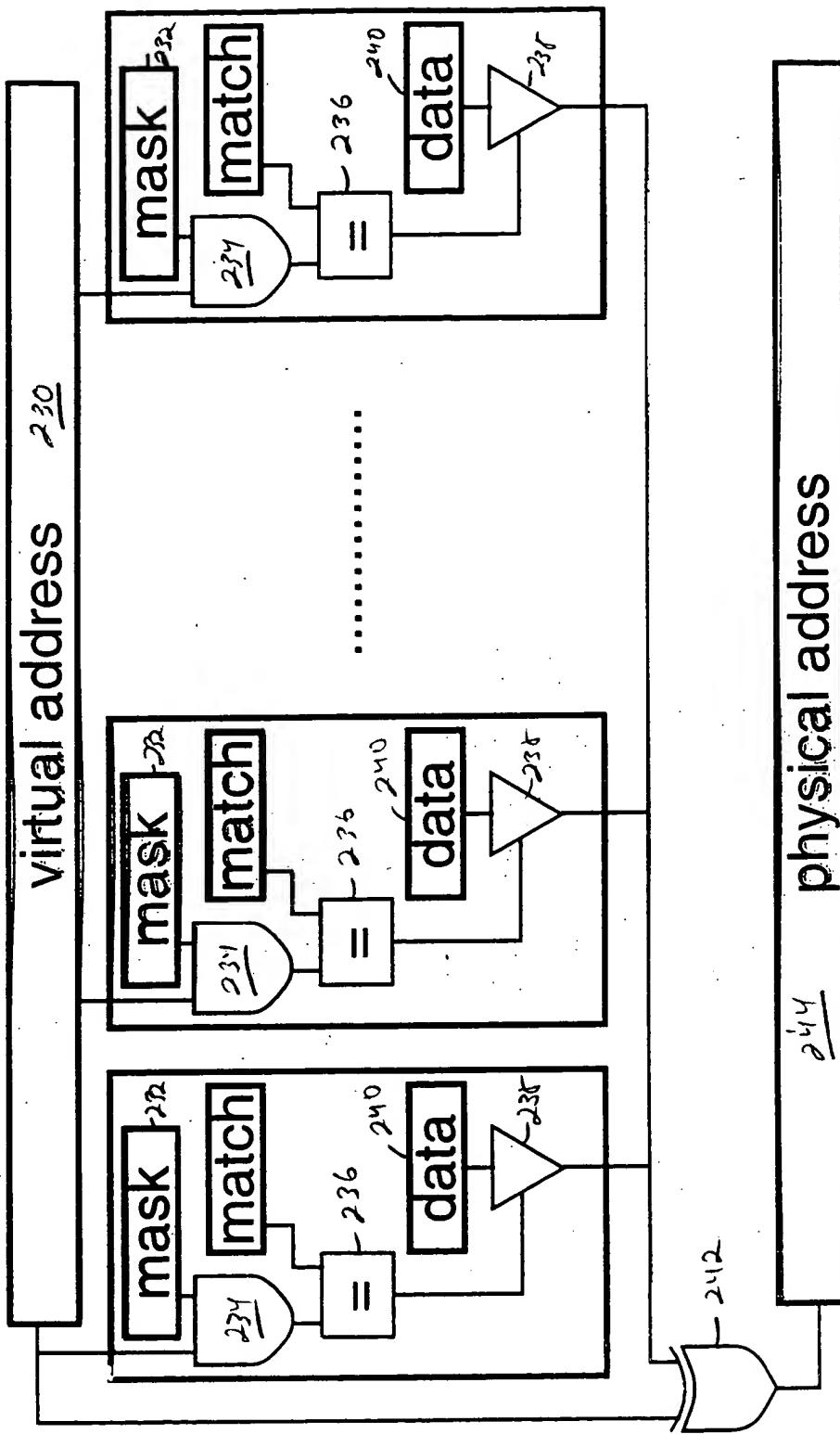


Figure 10(b)

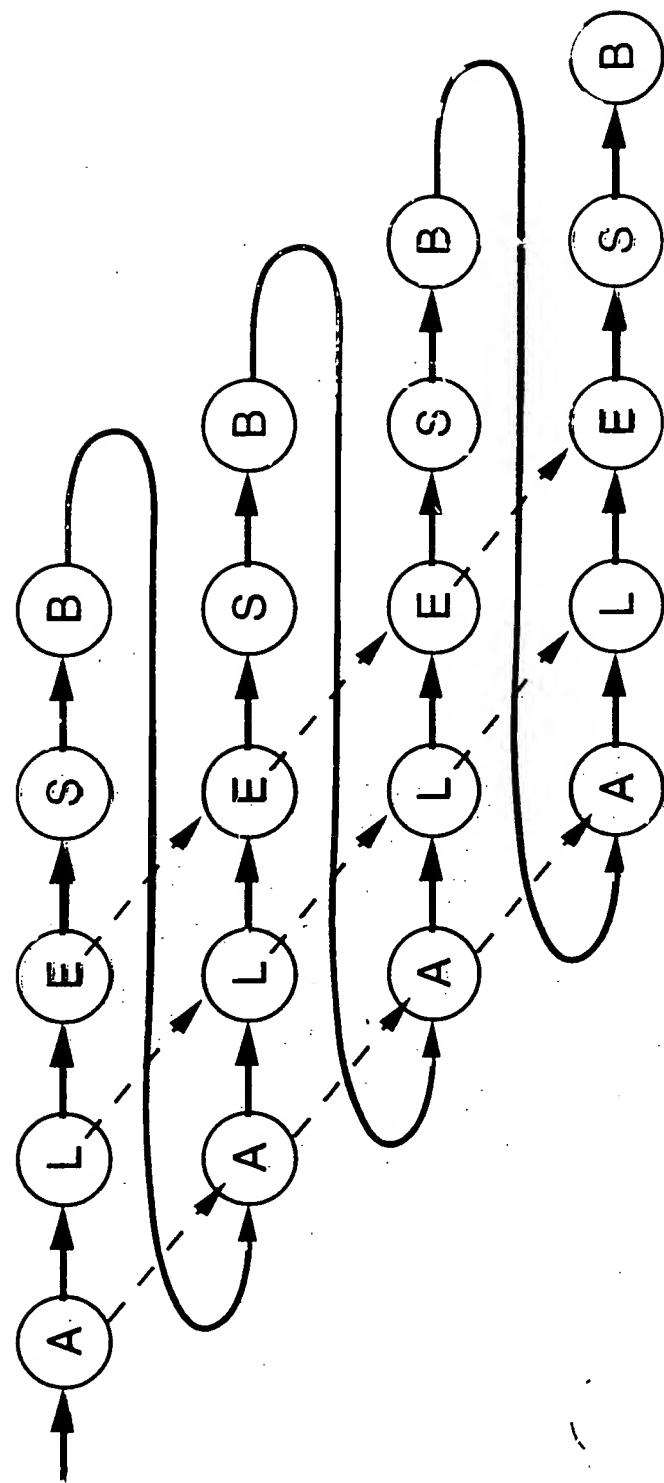
Translation Lookaside Buffer 148



08/754829

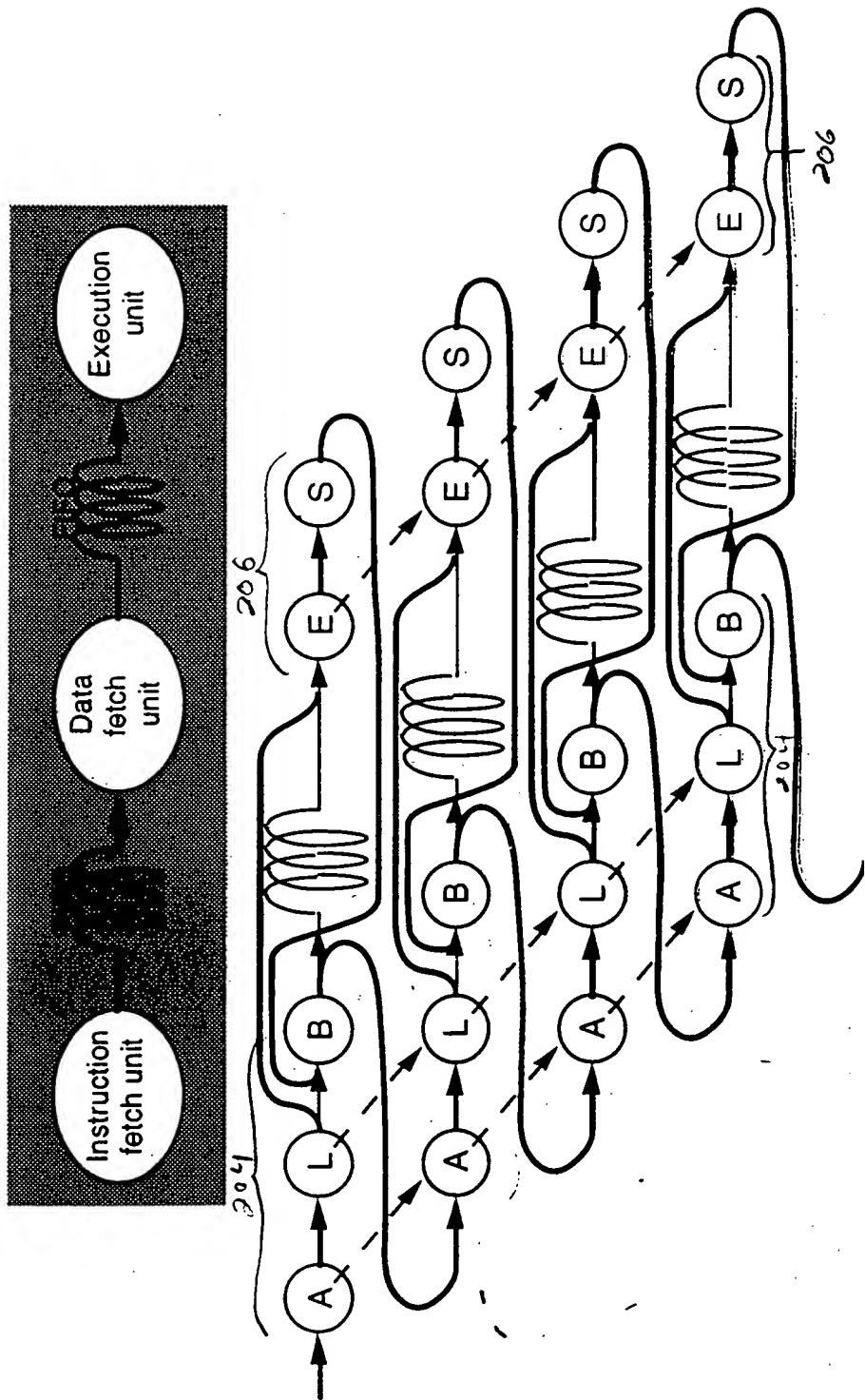
Superstring Pipeline

Figure 11



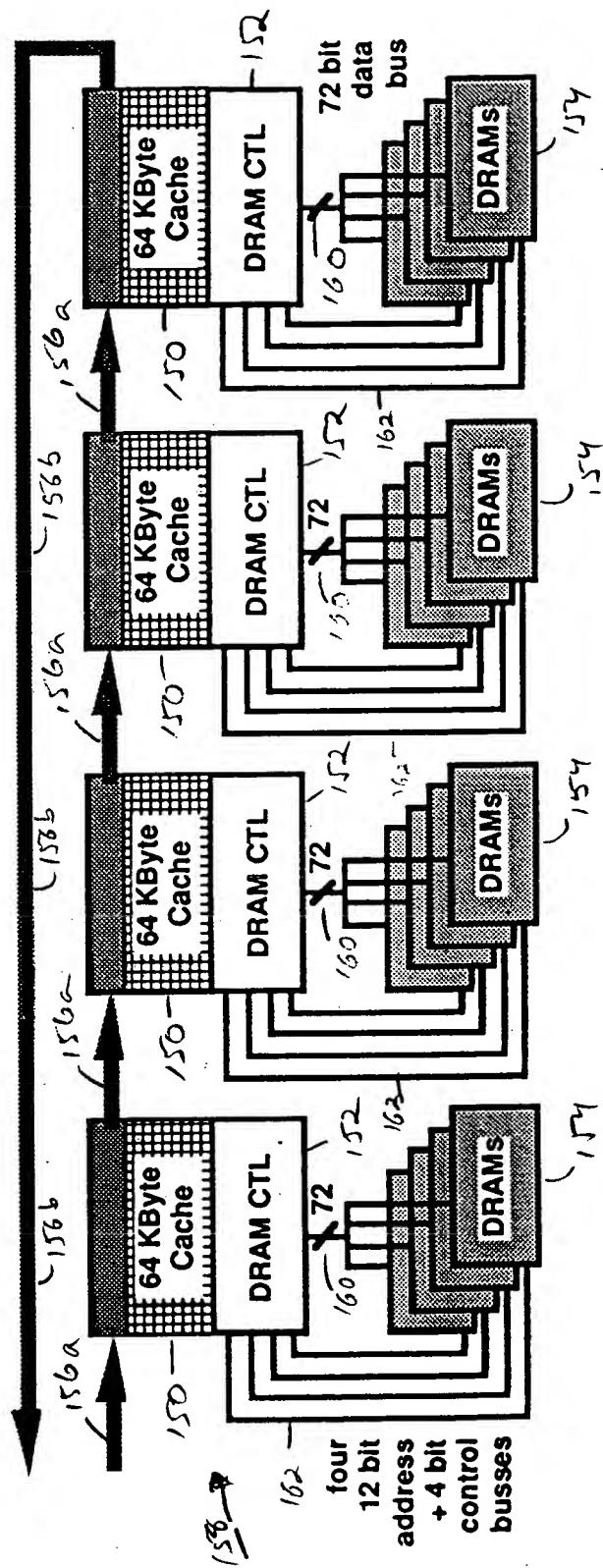
Superspring Pipeline

Figure 12



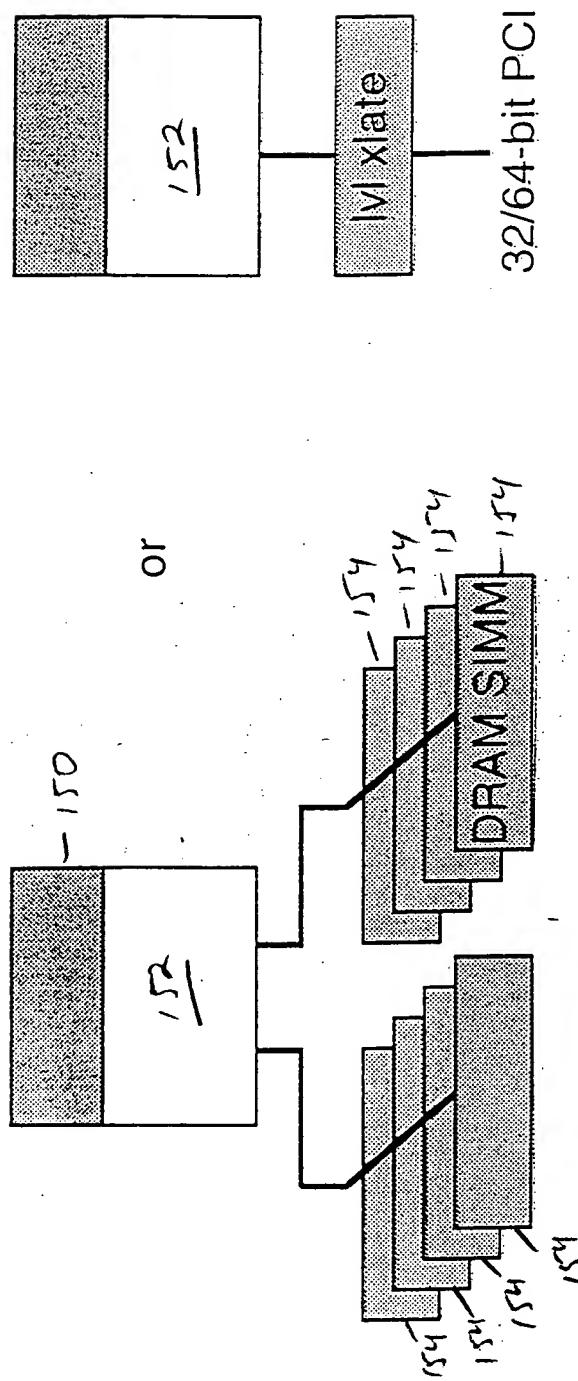
08/754829

Figure 13



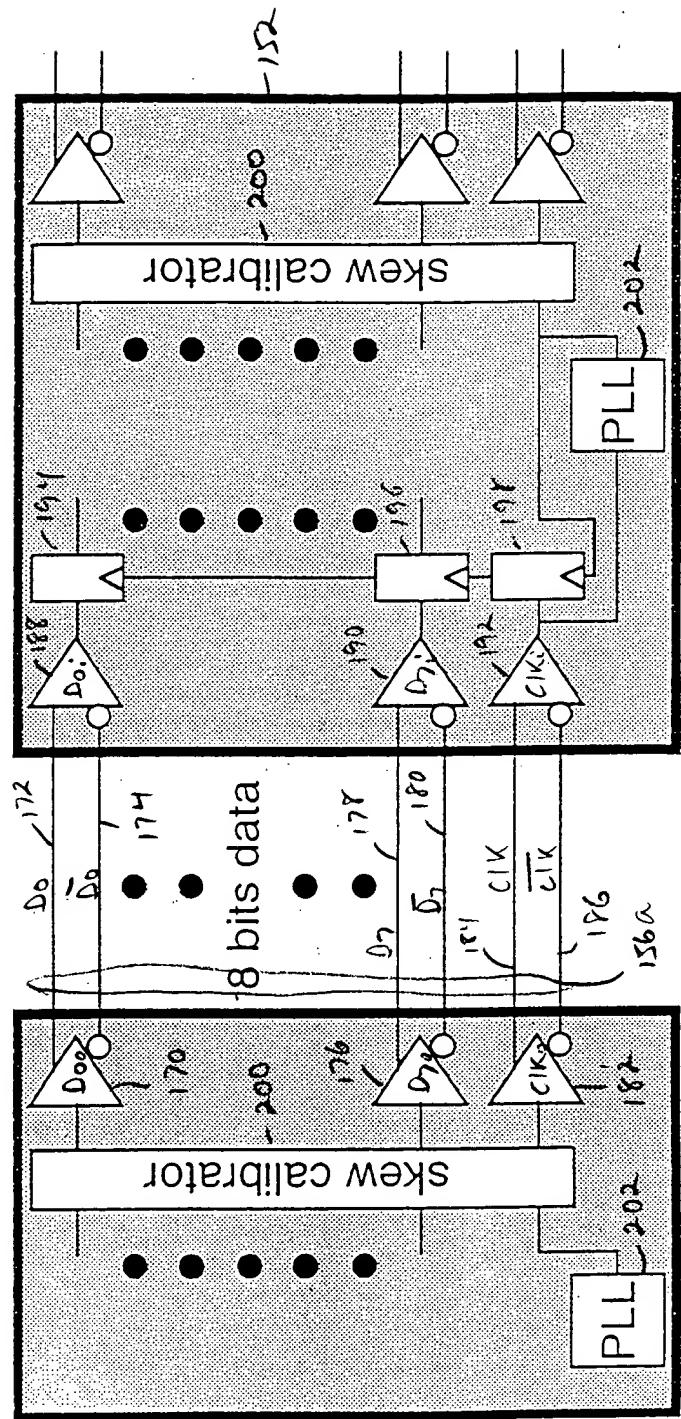
08/754829

Figure 14



08/754829

Figure 15



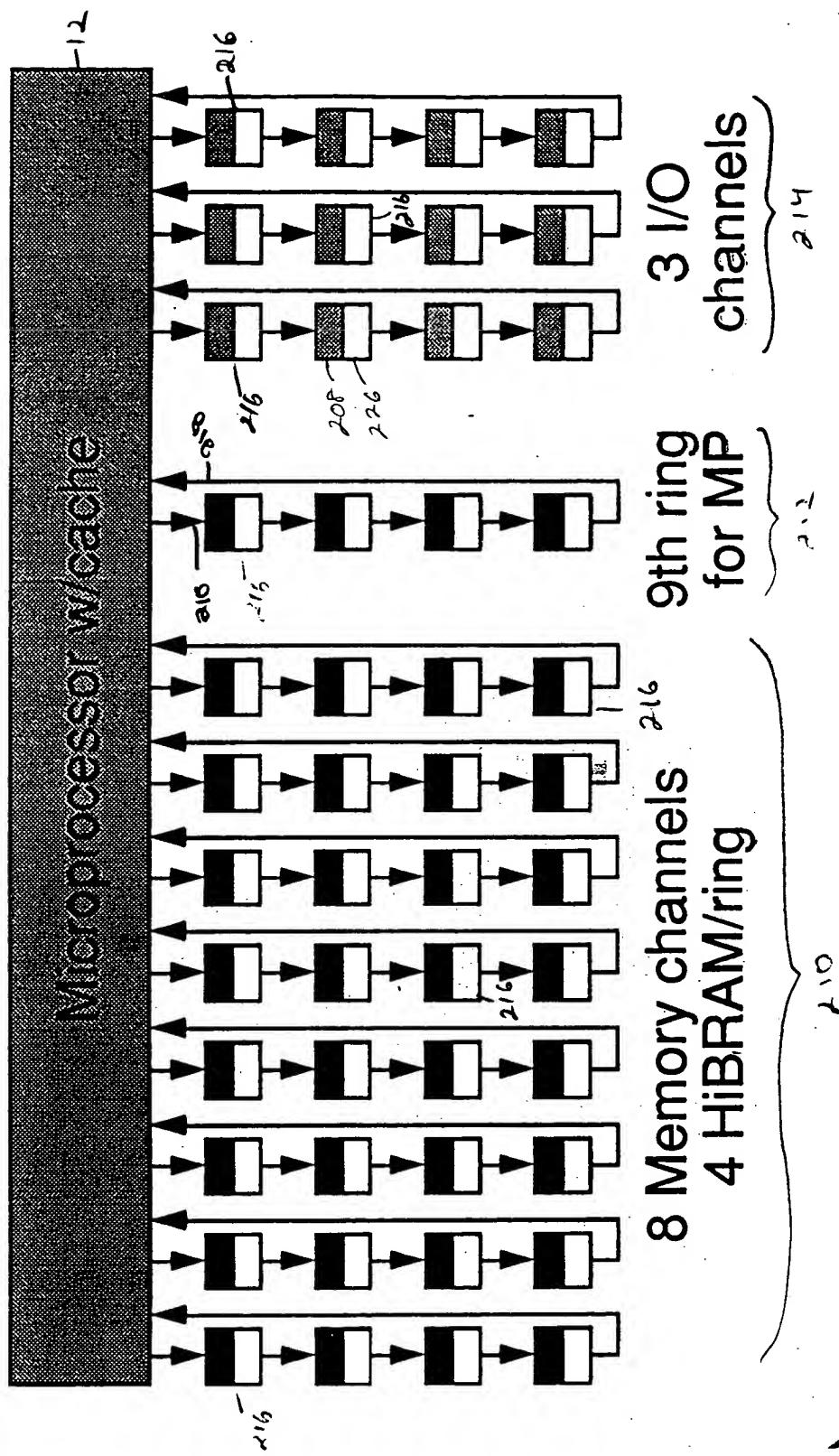
08/754829

Figure 16(c)



081754829

Figure 16(6)



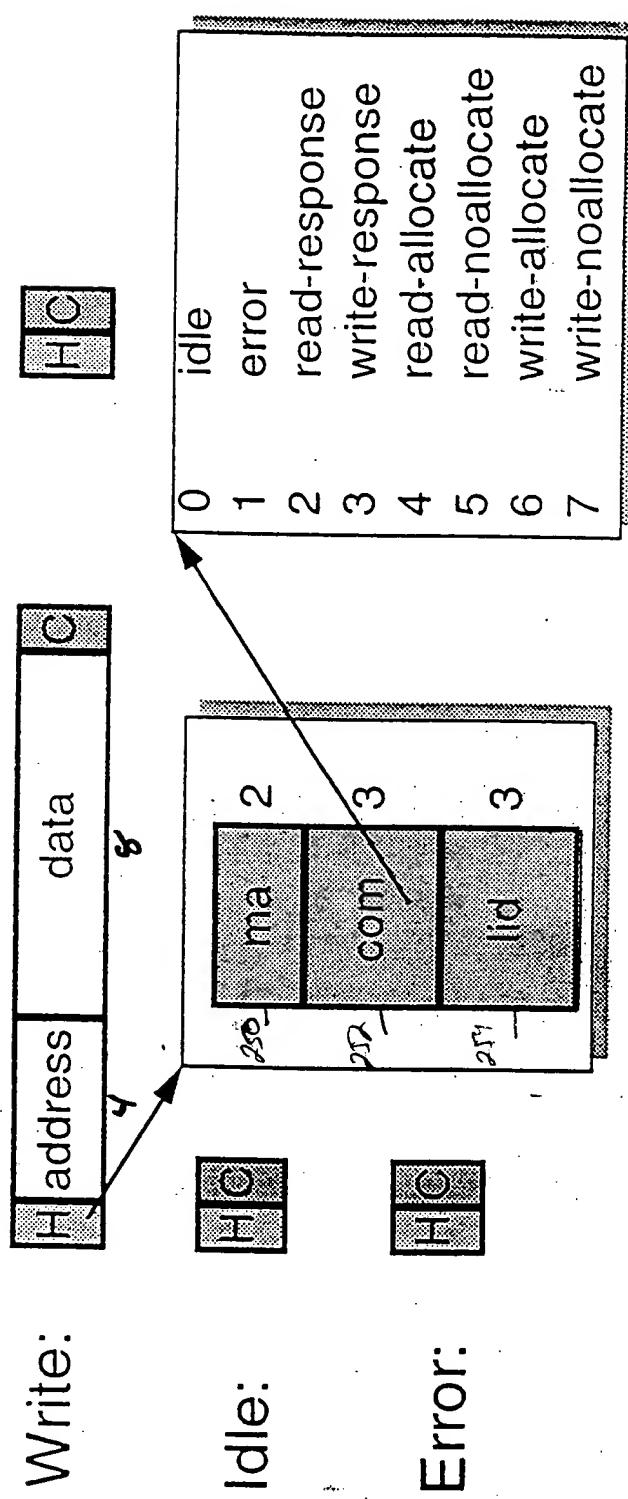
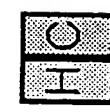
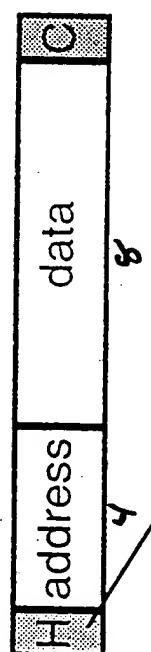
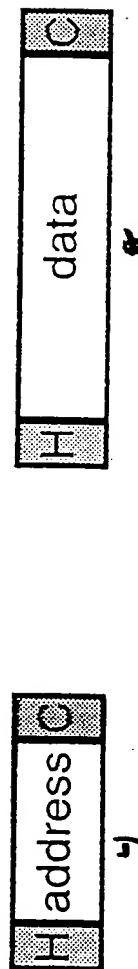
08/754829

Figure 17

request

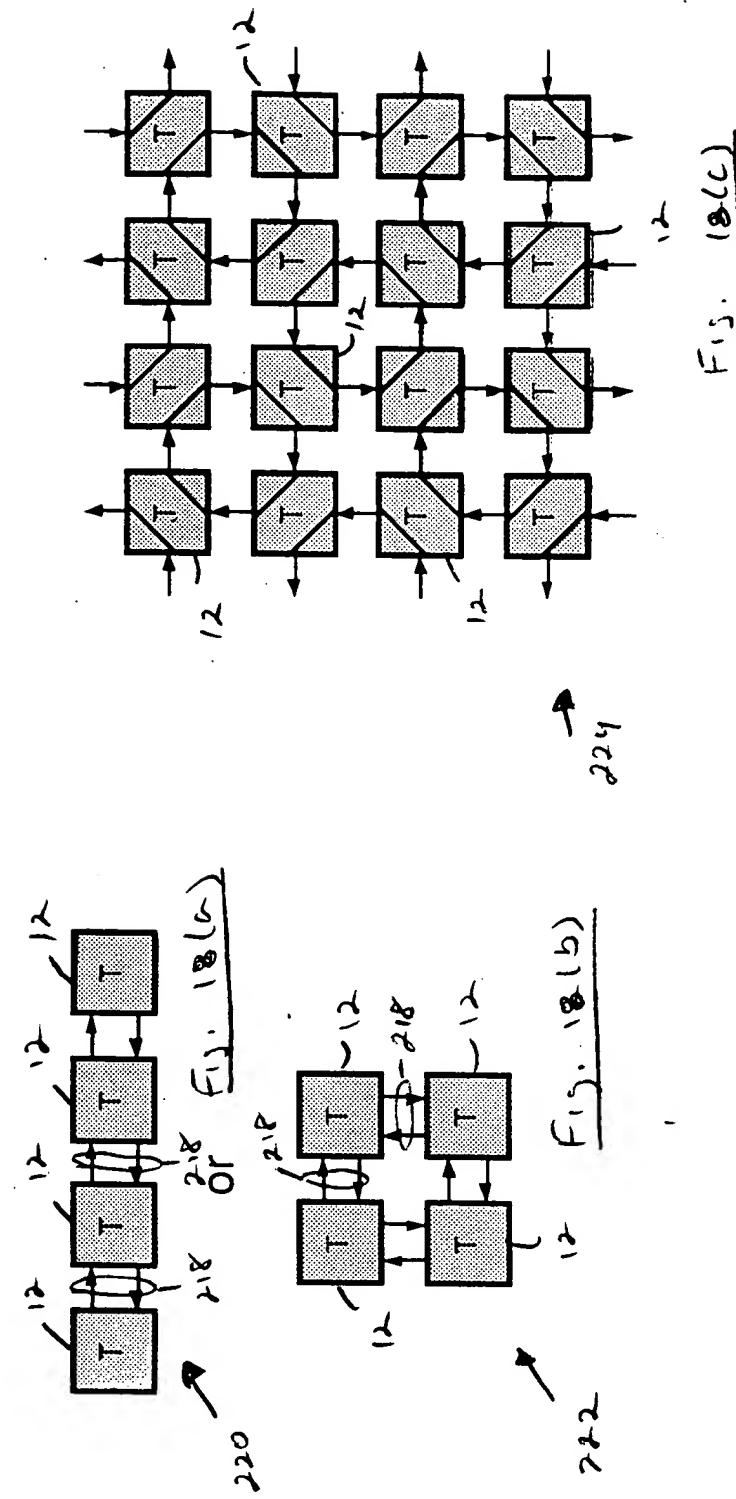
Read:

Write:



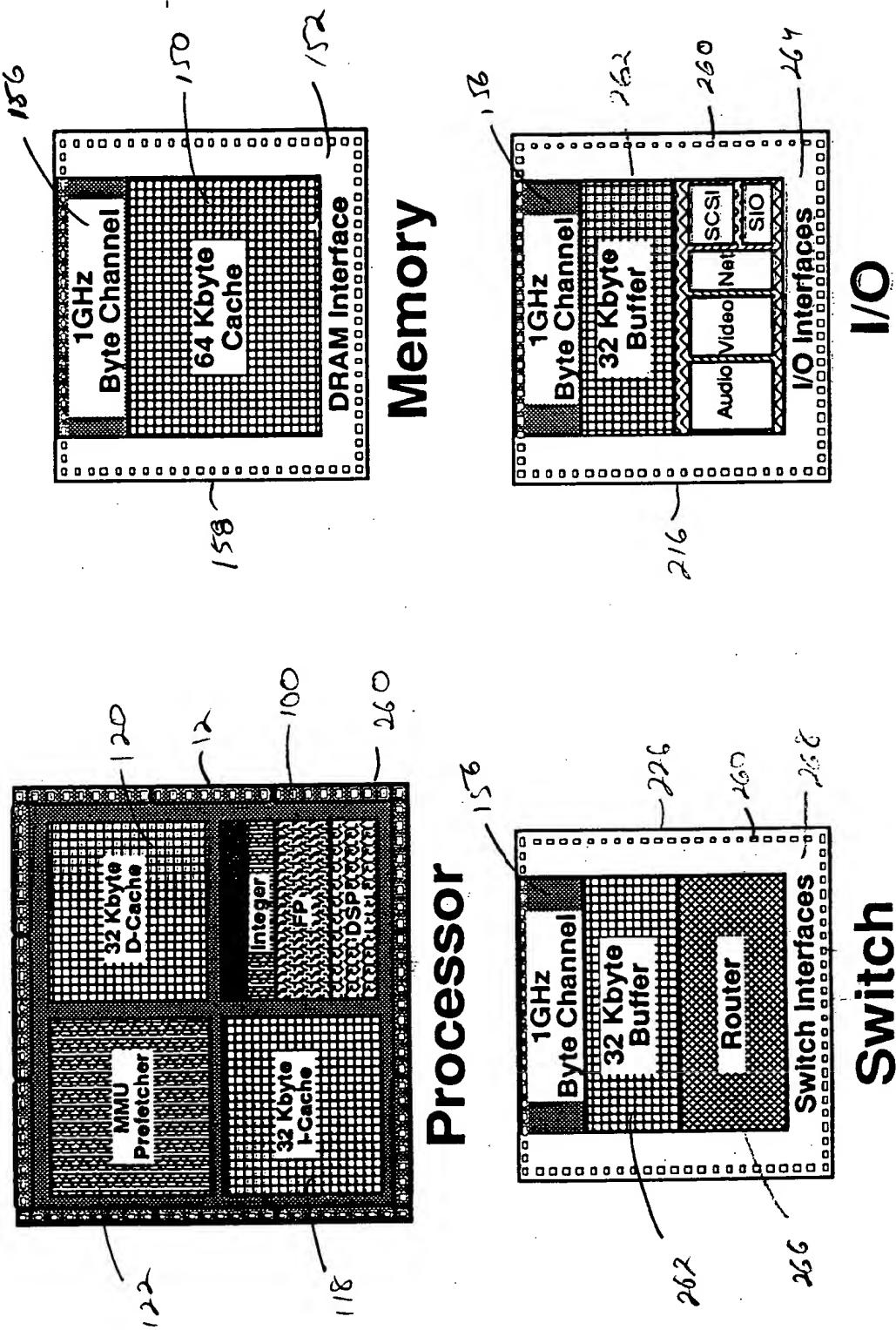
08/754829

Figure 18



08/754829

Figure 19



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT OR DRAWING
- BLURRED OR ILLEGIBLE TEXT OR DRAWING
- SKEWED/SLANTED IMAGES
- COLOR OR BLACK AND WHITE PHOTOGRAPHS
- GRAY SCALE DOCUMENTS
- LINES OR MARKS ON ORIGINAL DOCUMENT
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.